

# Converting Colors

Hex(00A45C)

Have a look what the booklet for  
Hex(00A45C) contains.

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**Color**

**Hex(00A45C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A45C
RGB	0, 164, 92
RGB Percent	0%, 64%, 36%
CMY	1.0000, 0.3569, 0.6392
CMYK	1.00, 0.00, 0.44, 0.36
HSL	154°, 100%, 32%
HSV	154°, 100%, 64%
XYZ	15.2072, 27.3236, 14.5977
YIQ	106.7560, -74.6320, -57.1600

# Conversions

## Conversions Part 2

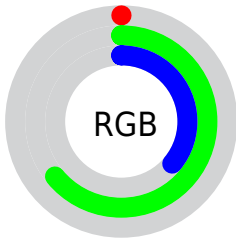
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 105, 164
Decimal	42076
CIELab	59.27, -53.01, 27.42
CIELCh	59, 59.682, 152.651
Yxy	27.3236, 0.2662, 0.4783
Android (android.graphics.Color)	4278232156 (0xFF00A45C)
YUV	106.7560, -7.2747, -93.6250
Hunter-Lab	52.2720, -39.5459, 20.0328

# Details

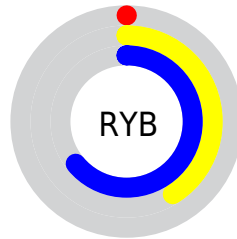
The Hex color **00A45C** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **A40048**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **5ADC8F**, and **006F2C** is the 20% darker color. If you saturate the color by 10%, you get **00A45C**, and if you desaturate by 10%, it is **10A463**.

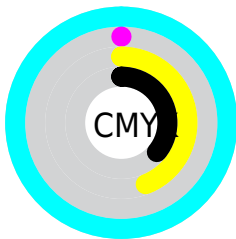
# Distribution



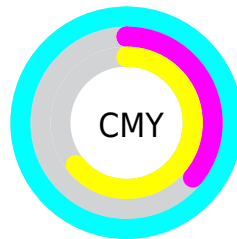
- Red (0%)
- Green (64%)
- Blue (36%)



- Red (0%)
- Yellow (41%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A45C changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 00A45C by changing the saturation by 10% instead.



 00A45C

 00A45C

FFFFFF

 008944

 5ADC8F

 006F2C

 78F9AA

 005516

 96FFC5

 003C00

 B4FFE1

 002600

 D1FFFE

 000000

 F0FFFF

 00A45C

 10A463

 21A46A

 31A472

 42A479

 52A480

 62A487

 73A48E

 83A496

 94A49D

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



709C2E



00A45C



00A792

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



00A45C



0093F8



E96559

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



00A45C



A40048

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



EC5C8C



00A45C



957FE7

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



00A45C



00A1EB



D268C0



CF7A2E

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



00A45C



00A7B6



D268C0



ED6069



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



00A45C



96D6BA



4AA400



456B5A



EBEBEB



6B6B6B



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



00A45C



00D678



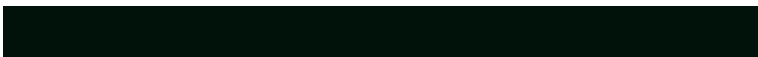
009CA4



49524E



009152



00120A



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



A40048



D6005E



A40800



52494D



910040



120008



# Previews

## White Background



This preview shows how the Hex color 00A45C looks on a white background.

## Color Contrast Check

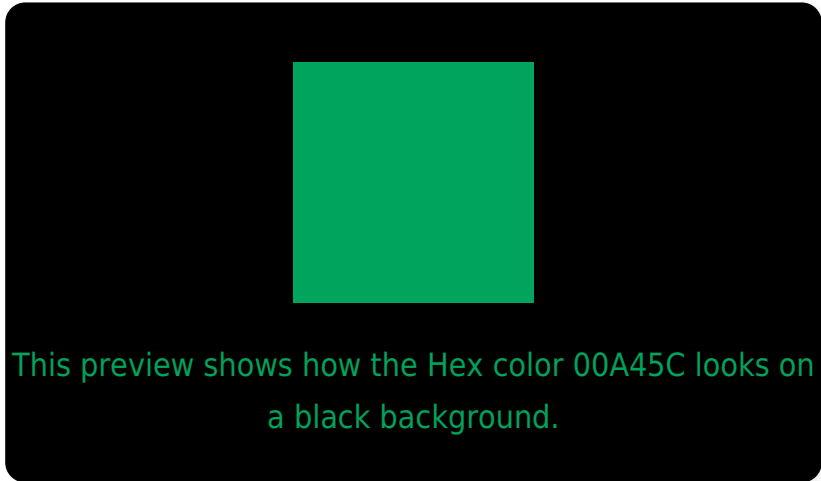
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00A45C Background



This preview shows how black text looks on a background with the Hex color 00A45C.



This preview shows how white text looks on a background with the Hex color 00A45C.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
00A45C

**Protanopia**  
9B8E54

**Deuteranopia**  
A98863



**Tritanopia**  
3D9BA8

# Trichromacy



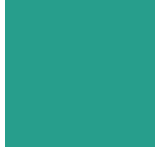
**Original Color**  
00A45C



**Protanomaly**  
639657



**Deuteranomaly**  
6C9260



**Tritanomaly**  
279E8C

# Monochromacy



**Original Color**  
00A45C



**Achromatopsia**  
6B6B6B



**Achromatomaly**  
448066

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A45C is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #00A45C looks like.

```
.text, #text, p{  
    color:#00A45C  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #00A45C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A45C
}
```

## Border

The CSS property to change the border of an element to Hex 00A45C is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00A45C }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#00A45C }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #00A45C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A45C; -webkit-box-shadow:4px 4px  
4px 4px #00A45C; box-shadow:4px 4px 4px  
4px #00A45C }
```

# Background

The CSS property to change the background color of an element to Hex 00A45C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A45C }
```

If only the background color should be changed can be used:

```
.background{ background-color:#00A45C }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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